1. (Twice Amended) A compound of formula (I) or (II):

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$$\mathbb{R}^{1}$$

$$\mathbb{R}^{2}$$

wherein:

R represents a hydrogen atom[, a halogen atom or an alkyl group having from 1 to 6 carbon atoms];

represents [an alkyl] a methyl group [having  $R^1$ from 1 to 6 carbon atoms,] or an amino group [or a group of formula -NHRa, where Ra represents an kanoy group having from 1 to 25 carbon atome \ an alkoxycarbonyl group having from 1 to 6 carbon atoms in the alkoxy part, an aralkyloxycarbonyl group in which the aralkyl part is as defined below, an alkanoyloxymethy‡ group having from 1 to 6 carbon atoms in the alkanoyl part, an alkoxycarbonyloxymethyl group having from 1 to 6 carbon atoms in the alkoxy part or a (2oxo-1,3-dioxolen 4-yl) methyl group which is unsubstituted or substituted at the 5dioxolen position by an alkyl group having

from 1 to 6 carbon atoms or by an aryl group as defined below];

 $R^2$  represents a phenyl group which is unsubstituted or is substituted by at least one substituent selected from the group consisting of substituents  $\alpha$  and subsituents  $\beta$  defined below;

represents a hydrogen atom, a halogen atom or an alkyl group which has from 1 to [6] 4 carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms

R4 represents a hydrogen atom; an alkyl group which has from 1 to 6 carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms; a cycloalkyl group having from 3 to [8] 7 carbon atoms, an aryl group which is as defined below, or an

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 $R^3$ 

/ Ju aralkyl group which is as defined below; said aryl group having from 6 to [14]  $\underline{10}$  ring carbon atoms in a carbocyclic ring and are unsubstituted or are substituted by at least one substituent selected from the group consisting of substituents  $\alpha$  and substituents  $\beta$ , defined below;

said aralkyl group and the aralkyl part of said aralkyloxycarbonyl group are an alkyl group having from 1 to [6] 4 carbon atoms and which are substituted by at least one aryl group as defined above;

said substitutents  $\alpha$  are selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms; said substituents  $\beta$  are selected from the group consisting of an alkyl group which has from 1 to [6] 4 carbon atoms and which is unsubstituted or are substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms; [an alkanoyloxy

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group having from 1 to 6 carbon atoms; a mercapto group; an alkanoylthio group having from 1 to 6 carbon atoms; an alkylsulfinyl group having from 1 to 6 carbon atoms;] a cycloalkyloxy group having from 3 to [8] 7 carbon atoms; a haloalkoxy group having from 1 to [6] 4 carbon atoms; or a pharmaceutically acceptable salt thereof.

- 2. (Cancelled)
- 3. (Cancelled)
- 4. (Cancelled)
- 5. (Cancelled)
- 6. (Amended) The compound of claim 1, wherein  $\mathbb{R}^1$  represents an amino group [or an acetylamino group].
- 7. (Amended) The compound of claim [1] 6, wherein R<sup>2</sup> represents a phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1 to 4 carbon atoms; an alkylthio group having from

1 to 4 carbon atoms;

an unsubstituted alkyl group having from 1 to 4 carbon atoms; an alkyl group which has from 1 to 4 carbon atoms and which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms; [a mercapto group; an alkanoylthio group having from 1 to 4 carbon atoms;] a haloalkoxy group having from 1 to 4 carbon atoms and an alkylenedioxy group having from 1 to 4 carbon atoms and an alkylenedioxy group having from 1 to 4 carbon atoms.

Represents a phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms, an alkyl group having from 1 to 4 carbon atoms, a haloalkyl group having from 1 to 4 carbon atoms, [a mercapto group, an alkanoylthio group having from 1 to 4 carbon atoms,] a haloalkoxy group having from 1 to 4 carbon atoms, a haloalkoxy group having from 1 to 4 carbon atoms, a haloalkoxy group having from 1 to 4 carbon atoms and an alkylenedioxy group having from 1 to 4 carbon atoms.

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- 9. (Amended) The compound of claim [1] 6, wherein R³ represents a hydrogen atom, a halogen atom, an unsubstituted alkyl group having from 1 to 4 carbon atoms or a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms.
- 10. (Amended) The compound of claim [1] 6, wherein R<sup>3</sup> represents a hydrogen atom, a halogen atom, an alkyl group having from 1 to 4 carbon atoms or a haloalkyl group having from 1 to 4 carbon atoms.
- 11. Amended) The compound of claim [1] 6, wherein R<sup>4</sup> represents a hydrogen atom; an unsubstituted alkyl group having from 1 to 4 carbon atoms; a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms; a cycloalkyl group having from 3 to 6 carbon atoms; an aryl group which has from 6 to 10 ming carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms, an unsubstituted alkyl group having from 1 to [6] 4 carbon atoms, an unsubstituted alkyl group having from 1 to [6] 4 carbon atoms,

an alkyl group having from 1 to [6] 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy having from 1 to [6] 4 carbon atoms, and an alkylthio group having from 1 to [6] 4 carbon atoms; a cycloalkyloxy group having from 3 to [8] 7 carbon atoms; and an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one aryl group as defined in claim 1.

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12. (Amended) The compound of claim [1]  $\underline{6}$ , wherein  $\mathbb{R}^4$ represents a hydrogen atom; an unsubstituted alkyl group having from 1 to 4 carbon atoms; a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom and an alkoxy group having from 1 to 6 carbon atoms; a cycloalkyl group having from 3 to 6 carbon atoms; an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group donsisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6]  $\frac{4}{3}$  carbon atoms, an alkyl group having from  $1 \mid to [6]$  4 carbon atoms and which is unsubstituted or substituted by at least one halogen atom and a cycloalkyloxy group having from 3 to [8] 7 carbon atoms; and an aralkyl group having from 1 to 4 carbon atoms, in the alkyl part and containing at least one\said aryl group.

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 $R^2$ 

13. (Twice Amended) The compound of claim 1, wherein
R represents a hydrogen atom[, a halogen atom
 or an alkyl group having from 1 to 4 carbon
 atoms];

R<sup>1</sup> represents a methyl group[,] <u>or</u> an amino group [or an acetylamino group];

represents an unsubstituted phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1 to /4 carbon atoms; an alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to 4 carbon atoms; an alkyl group having from 1 to 4 carbon atoms which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from i1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms; [a mercapto group; an alkanoyl group having from 1 to 4 carbon atoms; ] a haloalkyl group having from 1 to 4 carbon atoms; and an alkylenedioxy group having from 1 to 4 carbon atoms;

R<sup>3</sup> represents a hydrogen atom, a halogen atom, an unsubstituted alkyl group having from 1 to

4 carbon atoms or a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms;

R<sup>4</sup> represents

a hydrogen atom;

an unsubstituted alkyl group having from 1 to 4 carbon atoms;

a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms;

a cycloalkyl group having from 3 to 6 carbon atoms;
an aryl group which has from 6 to 10 ring carbon atoms
and which is unsubstituted or is substituted
by at least one substituent selected from the
group consisting of a halogen atom; an alkoxy
group having from 1 to 4 carbon atoms; an
alkylthio group having 1 to 4 carbon atoms;
an unsubstituted alkyl group having from 1 to

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 $R^1$ 

 $R^2$ 

[6] 4 carbon atoms; an alkyl group having from 1 to [6] 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having 1 to 4 carbon atoms and an alkylthio group having 1 to 4 carbon atoms; and a cycloalkoxy group having 3 to [8] 7 carbon atoms; and an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group.

14. (Twice Amended The compound of claim [1] 6, wherein said compound is of the formula (II), and wherein:

R represents a hydrogen atom[, a fluorine atom, a chlorine atom or a methyl group];

represents an amino group [or an acetylamino group];

represents an unsubstituted phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms, an alkyl group having from 1 to 4 carbon atoms, a haloalkyl group having from 1 to 4 carbon atoms, a haloalkyl group having from 1 to 4 carbon atoms, [a mercapto group, an alkanoylthio]

group having from 1 to 4 carbon atoms,] a haloalkoxy group having from 1 to 4 carbon atoms and an alkylenedioxy group having from 1 to 4 carbon atoms;

R<sup>3</sup> represents [a hydrogen atom, a halogen atom,]
an alkyl group having from 1 to 4 carbon
atoms [or a haloalkyl group having from 1 to
4 carbon atoms];

represents a hydrogen atom[; an unsubstituted  $R^4$ alkyl group having from 1 to 4 carbon atoms; a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom and alkoxy group having from 1 to 6 carbon atoms; a cylcoalkyl group having from 3 to 6 carbon atoms, an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at lest one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms, an alkyl group having from 1 to 6 carbon atoms and which is unsubstituted or substituted by at least one halogen atom, and a cycloalkyloxy group having from 3 to 8

carbon atoms; and an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group].

- 15. (Twice Amended) The compound of claim [1] 6, wherein said compound is of the formula (II), and wherein:
  - R represents a hydrogen atom;
  - R<sup>1</sup> represents an amino group [or an acetylamino group];
  - R<sup>2</sup> represents an unsubstituted phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms, an alkyl group having from 1 to 4 carbon atoms, a haloalkyl group having from 1 to 4 carbon atoms, [a mercapto group, an alkanoylthio group having from 1 to 4 carbon atoms,] a haloalkoxy group having from 1 to 4 carbon atoms and an alkylenedioxy group having from 1 to 4 carbon atoms and an alkylenedioxy group having from 1 to 4 carbon atoms;
  - R<sup>3</sup> represents a <u>methyl group</u> [hydrogen atom, a halogen atom, an alkyl group having from 1 to 4 carbon atoms or a haloalkyl group having from 1 to 4 carbon atoms];

represents a hydrogen atom[; an unsubstituted alkyl group having from 1 to 4 carbon atoms; a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom and an alkoxy group having from 1 to 6 carbon atoms; a cycloalkyl group having from 3 to 6 carbon atoms; an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms, an alkyl group having from 1 to 6 carbon atoms and which is unsubstituted or substituted by at least one halogen atom, and a cycloalkyloxy group

 $R^4$ 

an aralkyl droup having from 1 to 4 carbon atoms in the

alkyl part and containing at least one said

having from 3 to 8 carbon atoms; and

aryl group].

- 16. 24. (Pending) These claims have not been amended.
- 25. (Cancelled)
- 26. (cancelled)
- 27. (Amended) A method of treating or relieving pain or inflammation in a mammal suffering therefrom comprising administering to a mammal in need thereof an effective anti-inflammatory amount or effective analgesic amount of a compound selected from the group consisting of the compound of formula (I), the compound of formula (II), and a pharmaceutically acceptable salt of said compounds as claimed in claim 1.
- 28. (Twice Amended) The method of claim 27, wherein <u>said</u> compound is of the formula (II), and wherein:
  - R represents a hydrogen atom[, a halogen atom or an alkyl group having from 1 to 4 carbon atoms];
  - R<sup>1</sup> represents a methyl group[,] <u>or</u> an amino group [or an acetylamino group];
  - R<sup>2</sup> represents
  - an unsubstituted phenyl group or;
  - a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group

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having from 1 to 4 carbon atoms; an alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to 4 carbon atoms; an alkyl group having from 1 to 4 carbon atoms and which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms; [a mercapto group; an alkanoylthio group having from 1 to 4 carbon atoms;] a haloalkoxy group having from 1 to 4 carbon atoms; and an alkylenedioxy group having from 1 to 4 carbon atoms; and an alkylenedioxy group having from 1 to 4 carbon atoms;

R<sup>3</sup> represents a hydrogen atom, a halogen atom, an unsubstituted alkyl group having from 1 to 4 carbon atoms or a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms;

R4 represents

a hydrogen atom;

an unsubstituted alkyl group having from 1 to 4 carbon atoms;

a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms;

a cycloalkyl group having from 3 to 6 carbon atoms; an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1 to 4 carbon atoms; an alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to 3 carbon atoms; an alkyl group having from 1 to 3 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6]  $\underline{4}$  carbon atoms and an alkylthio group having from 1 to [6]  $\underline{4}$ carbon atoms; and a cycloalkyloxy group having from 3 to [8] 7 carbon atoms; and an aralkyl group having from 1 to 4 carbon atoms in the

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alkyl part and containing at least one said

aryl\group.

- 29. (Twice Amended) The method of claim 27, wherein said compound is of the formula (II), and wherein:
  - R represents a hydrogen atom[, a fluorine atom, a chlorine atom or a methyl group];
  - R<sup>1</sup> represents an amino group [or an acetylamino group];
  - R<sup>2</sup> represents an unsubstituted phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms, an unsubstituted alkyl group having from 1 to 4 carbon atoms, a haloalkyl group having from 1 to 4 carbon atoms, [a mercapto group, an alkanoylthio group having from 1 to 4 carbon atoms,] a haloalkoxy group having from 1 to 4 carbon atoms and an [alkenedioxy] alkylenedioxy group having from 1 to 4 carbon atoms;
  - R<sup>3</sup> represents a <u>methyl group</u> [hydrogen atom, a halogen atom, an alkyl group having from 1 to 4 carbon atoms or a haloalkyl group having from 1 to 4 carbon atoms];

R<sup>4</sup> represents
a hydrogen atom[;

an unsubstituted alkyl group having from 1 to 4 carbon atoms;

a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom and an alkoxy group having from 1 to 6 carbon atoms;

a cycloalkyl group having from 3 to 6 carbon atoms; an aryl group which has from 6 to 10 ring carbon atoms

and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group; a halogen atom; an alkoxy group having from 1 to 6 carbon atoms; an alkyl group having from 1 to 6 carbon atoms and which is unsubstituted or substituted by at least one halogen atom; and a cycloalkyl group having

from 3 to 8 carbon atoms; and an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group].

30. (Cancelled)

31. (Amended) A method of inhibiting bone resorption in a mammal comprising administering to a mammal in need thereof a pharmaceutically effective amount of a compound selected from the group consisting of the compound of formula (I), the compound of formula (II), [and] or a pharmaceutically acceptable salt of said compounds [as claimed in claim 1] wherein:

 $\mathbb{R}^{3} \longrightarrow \mathbb{R}^{4}$   $\mathbb{R}^{4} \longrightarrow \mathbb{R}^{4}$   $\mathbb{R}^{3} \longrightarrow \mathbb{R}^{4}$   $\mathbb{R}^{4} \longrightarrow \mathbb{R}^{4}$ 

wherein:

- represents a hydrogen atom, a halogen atom or
  an alkyl group having from 1 to 6 carbon
  atoms;
- R1 represents an alkyl group having from 1 to 6 carbon atoms or an amino group;
- represents a phenyl group which is
  unsubstituted or is substituted by at least
  one substituent selected from the group
  consisting of substituents α and
  substituents β defined below;
- represents a hydrogen atom, a halogen atom or an alkyl group which has from 1 to 6 carbon

atoms; represents a hydrogen atom; an alkyl group  $R^4$ 

substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms and an alkylthio group having from 1 to 6 carbon

atoms and which is unsubstituted or is

which has from 1 to 6 carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms and an alkylthio group having from 1 to 6 carbon atoms; a cycloalkyl group having from 3 to 8 carbon atoms, an aryl group which is as defined below, or an aralkyl group which is as defined below;

said aryl group having from 6 to 14 ring carbon atoms in a carbocyclic ring and are unsubstitutted or ar substituted by at least one substituent selected from the group consisting of substituents α and substituents \( \begin{aligned} \text{defined below;} \end{aligned} \)

said aralkyl group and the aralkyl part of said aralkyloxycarbonyl group are an alkyl group

having from 1 to 6 carbon atoms and which are substituted by at least one aryl group as defined above;

said substitutents \alpha are selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms and an alkylthio group having from 1 to 6 carbon atoms; said substituents β are selected from the group consisting of an alkyl group which has from 1 to 6 carbon atoms and which is unsubstituted or are substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms and an alkylthio group having from 1 to 6 darbon atoms; an alkanovloxy group having from 1 to 6 carbon atoms; a mercapto group; an alkanovithio group having from 1 to 6 carbon atoms; an alkylsulfinyl group having from 1 to 6 carbon atoms; a cycloalkyloxy group having from 3 to 8 carbon atoms; a halloalkoxy group having from 1 to 6 carbon atoms; and an alkylenedioxy group having from 1 to 6 carbon atoms; or a pharmaceutidally acceptable salt thereof.

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The method of claim 31, wherein said 32. (Twice Amended) compound is of the formula (II), and wherein:

represents a hydrogen atom, a halogen atom or R an alkyl group having from 1 to 4 carbon atoms;

represents a methyl group[,] or an amino  $R^1$ group [or an acetylamino group];

represents an unsubstituted phenyl group or

 $R^2$ 

a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1 to 4 carbon atoms; an alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to 4 carbon atoms; an alkyl group having from 1 to 4 carbon atoms and which is substituted by at. least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 t $\phi$  4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms; [a mercapto group; an alkanoylthio group having from 1 to 4 carbon atoms;] a haloalkoxy group having from 1 to 4 carbon atoms and an alkylenedioxy group having from 1 to 4 carbon atoms;

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R<sup>3</sup> represents a hydrogen atom, a halogen atom, an unsubstituted alkyl group having from 1 to 4 carbon atoms or a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms;

R⁴ represent\$

a hydrogen atom;

an unsubstituted alkyl group having from 1 to 4 carbon atoms;

a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms;

a cycloalkyl group having from 3 to 6 carbon atoms;
an aryl group which has from 6 to 10 ring carbon atoms
and which is unsubstituted or is substituted
by at least one substituent selected from the
group consisting of a halogen atom; an alkoxy
group having from 1 to 4 carbon atoms; an

alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to [6] 4 carbon atoms and an alkyl group having from 1 to [6] 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms; and

an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group.

- 33. (Twice Amended) The method of claim 31, wherein <u>said</u> compound is of the formula (II) and wherein:
  - R represents a hydrogen atom[, a fluorine atom, a chlorine atom or a methyl group];
  - R<sup>1</sup> represents an amino group [or an acetylamino group];
  - R<sup>2</sup> represents an unsubstituted phenyl group or a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms, an

 $R^3$ 

 $R^4$ 

alkyl group having from 1 to 4 carbon atoms, a haloalkyl group having from 1 to 4 carbon atoms, [a mercapto group, an alkanoylthio group having from 1 to 4 carbon atoms,] a haloalkoxy group having from 1 to 4 carbon atoms and an [alkenedioxy] alkylenedioxy group having from 1 to 4 carbon atoms; represents a methyl group [hydrogen atom, a halogen atom, an alkyl group having from 1 to 4 carbon atoms];

represents a hydrogen atom[, an unsubstituted alkyl group having from 1 to 4 carbon atoms, a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom and an alkoxy group having from 1 to 6 carbon atoms, a cycloalkyl group having from 3 to 6 carbon atoms, an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkyl group having from 1 to

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6 carbon atoms and which is unsubstituted or substituted by at least one halogen atom, and a cycloalkyloxy group having from 3 to 8 carbon atoms, an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group].

34. (Cancelled)

35. (Amended) A method of inhibiting leukotriene production in a mammal comprising administering to a mammal in need thereof a compound selected from the group consisting of the compound of formula (I), the compound of formula (II) and a pharmaceutically acceptable salt of said compound [as claimed in claim 1] wherein:

Sel Sel

R<sup>2</sup>

(T)

(II)

wherein:

- R represents a hydrogen atom, a halogen atom or an alkyl group having from 1 to 6 carbon atoms;
- R<sup>1</sup> represents an alkyl group having from 1 to 6
  carbon atoms or an amino group;

 $R^2$  represents a phenyl group which is unsubstituted or is substituted by at least one substituent selected from the group consisting of substituents  $\alpha$  and subsituents  $\beta$  defined below;

represents a hydrogen atom, a halogen atom or an alkyl group which has from 1 to 6 carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms and an alkylthio group having from 1 to 6 carbon atoms;

represents a hydrogen atom; an alkyl group
which has from 1 to 6 carbon atoms and which
is unsubstituted or is substituted by at
least one substituent selected from the group
consisting of a hydroxy group, a halogen
atom, an alkoxy group having from 1 to 6
carbon atoms and an alkylthio group having
from 1 to 6 carbon atoms; a cycloalkyl group
having from 3 to 8 carbon atoms, an aryl
group which is as defined below, or an
aralkyl group which is as defined below;
said aryl group having from 6 to 14 ring carbon

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atoms in a carbocyclic ring and are
unsubstitutted or ar substituted by at least
one substituent selected from the group
consisting of substituents α and
substituents β, defined below;

said aralkyl group and the aralkyl part of said

aralkyloxycarbonyl group are an alkyl group

having from 1 to 6 carbon atoms and which are
substituted by at least one aryl group as

defined above;

said substitutents α are selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms and an alkylthio group having from 1 to 6 carbon atoms; said substituents β are selected from the group consisting of an alkyl group which has from 1 to 6 carbon atoms and which is unsubstituted or are substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to 6 carbon atoms and an alkylthio group having from 1 to 6 carbon atoms; an alkanoyloxy group having from 1 to 6 carbon atoms; a mercapto group; an alkanovithio group having

from 1 to 6 carbon atoms; an alkylsulfinyl group having from 1 to 6 carbon atoms; a cycloalkyloxy group having from 3 to 8 carbon atoms; a haloalkoxy group having from 1 to 6 carbon atoms; and an alkylenedioxy group having from 1 to 6 carbon atoms;

or a pharmaceu ically acceptable salt thereof.

36. (Twice Amended) The method of claim 35, wherein <u>said</u> compound is of the formula (II), and wherein:

R represents a hydrogen atom, a halogen atom or an alkyl group having from 1 to 4 carbon atoms;

 $[R^2]$ 

R¹ represents a methyl group[,] or an amino
group [or an acetylamino group];

R<sup>2</sup> represents

an unsubstituted phenyl group or a phenyl group which
is substituted by at least one substituent
selected from the group consisting of a
halogen atom; an alkoxy group having from 1
to 4 carbon atoms; an alkylthio group having
from 1 to 4 carbon atoms; an unsubstituted
alkyl group having from 1 to 4 carbon atoms;
an alkyl group having from 1 to 4 carbon
atoms and which is substituted by at least

having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms; [a mercapto group; an alkanoylthio group having from 1 to 4 carbon atoms;] a haloalkoxy group having from 1 to 4 carbon atoms; and an alkylenedioxy group having from 1 to 4 carbon atoms; are defined atoms;

represents a hydrogen atom, a halogen atom, an unsubstituted alkyl group having from 1 to 4 carbon atoms or a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms;

one substituent selected from the group

consisting of a halogen atom, an alkoxy group

R4 represents

a hydrogen atom;

an unsubstituted alkyl group having from 1 to 4 carbon atoms;

a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen

consisting of a hydrox

atom, an alkoxy group having from 1 to [6]  $\underline{4}$  carbon atoms and an alkylthio group having from 1 to [6]  $\underline{4}$  carbon atoms;

a cycloalkyl group having from 3 to 6 carbon atoms; an aryl group which has from 6 to 10 ring carbon atoms

and which is insubstituted or is substituted by at least  $\phi$ ne substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1 to 4 carbon atoms; an alkylthio group having from 1 to 4 carbon atoms; an/unsubstituted alkyl group having from 1 td [6]  $\underline{4}$  carbon atoms; an alkyl group having  $f_{r}$  com 1 to [6]  $\underline{4}$  carbon atoms and substituted by at least one substituent selected from the group consisting of a hydrox∮ group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms andan alkylthio group having from 1 to [6]  $\underline{4}$ carbon atoms; and a cycloalkyloxy group having from 3 to [8] 7 carbon atoms; an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group.

appu

37. (Twice Amended) The method of claim 35, wherein <u>said</u> compound is of the formula (II), and wherein:

R<sup>1</sup> represents an amino group [or an acetylamino group];

R<sup>2</sup> represents

an unsubstitut#d phenyl group or

a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms, an alkyl group having from 1 to 4 carbon atoms, a haloalkyl group having from 1 to 4 carbon atoms, [a mercapto group, an alkanoylthio group having from 1 to 4 carbon atoms,] a haloalkoxy group having from 1 to 4 carbon atoms and a alkylenedioxy group having from 1 to 4 carbon atoms;

R<sup>3</sup> represents a hydrogen atom, a halogen atom, an alkyl group having from 1 to 4 carbon atoms or a haloalkyl group having from 1 to 4 carbon atoms;

R<sup>4</sup> represents a hydrogen atom[; an unsubstituted alkyl group having from 1 to 4 carbon atoms;

a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group and an alkoxy group having from 1 to 6 carbon atoms;

a cycloalkyl group Having from 3 to 6 carbon atoms;

an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a hydroxy group; a halogen atom; an alkoxy group having from 1 to 6 carbon atoms; an unsubstituted alkyl group having from 1 to 6 carbon atoms; an alkyl group having from 1 to 6 carbon atoms and which is unsubstituted or substituted by at least one halogen atom; and a cycloalkyloxy group having from 3 to 8 carbon atoms; and an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group].

38. (Cancelled)

39. (Pending) This claim has not been amended.

·40. (Twice Amended) The method of claim 39, wherein <u>said</u> compound is of the formula (II), and wherein:

R represents a hydrogen atom[, a halogen atom or an akyl group having from 1 to 4 carbon atoms];

R<sup>1</sup> represents a methyl group[,] <u>or</u> an amino group [or an acetylamino group];

R<sup>2</sup> represents

an unsubstituted phenyl group or

a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1/to 4 carbon atoms; an alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to 4 carbon atoms; an alkyl group having from 1 to 4 carbon atoms and which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms; [a mercapto group; an alkanoylthio group hating from 1 to 4 carbon atoms;] a haloalkoky group having from 1 to 4 carbon atoms; and an alkylenedioxy group having from 1 to 4 carbon atoms;

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R<sup>3</sup> represents a hydrogen atom, a halogen atom, an unsubstituted alkyl group having from 1 to 4 carbon atoms or a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group having from 1 to 4 carbon atoms and an alkylthio group having from 1 to 4 carbon atoms;

R<sup>4</sup> represents

a hydrogen atom;

an unsubstituted alkyl group having from 1 to 4 carbon atoms;

a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms;

a cycloalkyl group having from 3 to 6 carbon atoms; an aryl group which has from 6 to 10 ring carbon atoms and which is unsubstituted or is substituted by at least one substituent selected from the group consisting of a halogen atom; an alkoxy group having from 1 to 4 carbon atoms; an

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alkylthio group having from 1 to 4 carbon atoms; an unsubstituted alkyl group having from 1 to [6] 4 carbon atoms; an alkyl group having from 1 to [6] 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, an alkoxy group having from 1 to [6] 4 carbon atoms and an alkylthio group having from 1 to [6] 4 carbon atoms; and a cycloalkyloxy group having from 3 to [8] 7 carbon atoms; and

an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said aryl group.

- 41. (Twice Amended) The method of claim 39, wherein <u>said</u> compound is of the formula (II), and wherein:

  - R<sup>1</sup> repesents an amino group [or an acetylamino group]
  - R<sup>2</sup> represents

an unsubstituted phenyl group or

a phenyl group which is substituted by at least one substituent selected from the group consisting of a halogen atom, an alkoxy group

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having from 1 to 4 carbon atoms, an alkylthio group having from 1 to 4 carbon atoms, an alkyl group having from 1 to 4 carbon atoms, a haloalkyl group having from 1 to 4 carbon atoms, [a mercapto group, an alkanoylthio group having from 1 to 4 carbon atoms,] a haloalkoxy group having from 1 to 4 carbon atoms and an alkylenedioxy group having from 1 to 4 carbon atoms;

R<sup>3</sup> represents a <u>methyl group</u> [hydrogen atom, a halogen atom, an alkyl group having from 1 to 4 carbon atoms or a haloalkyl group having from 1 to 4 carbon atoms];

R<sup>4</sup> represents
a hydrogen atom[;
ar unsubstituted alkyl group having from 1 to 4 carbon
atoms;

a substituted alkyl group having from 1 to 4 carbon atoms and substituted by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom, and an alkoxy group having from 1 to 6 carbon atoms;

a cycloalkyl group having from 3 to 6 carbon atoms;
an aryl group which has from 6 to 10 ring carbon atoms
and which is unsubstituted or is substituted

aft

by at least one substituent selected from the group consisting of a hydroxy group, a halogen atom; an alkoxy group having from 1 to 6 carbon atoms; an alkyl group having from 1 to 6 carbon atoms and which is unsubstituted or substituted by at least one halogen atom; and a cycloalkyloxy group having from 3 to 8 carbon atoms; and an aralkyl group having from 1 to 4 carbon atoms in the alkyl part and containing at least one said

## 42. (Cancelled)

aryl /group].

43. (Amended) The compound of claim [8] 15, wherein [the] 15 is a phenyl group which is substituted with 1 [to 3] or 2 of said substituents.

Please add the following claims 44-79.

- --44. (New) The method of claim 27 wherein said compound is 4-methyl-2-(4-methylphenyl)-1-(4-sulfamoylphenyl) pyrrole.
- 45. (New) The method of claim 27 wherein said compound is 2-(4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

- 46. (New) The method of claim 27 wherein said compound is 2-(4-chlorophenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.
- 47. (New) The method of claim 27 wherein said compound is 4-methyl-2-(4-methylthiophenyl)-1-(4-sulfamoylphenyl)pyrrole.
- 48. (New) The method of claim 27 wherein said compound is 2-(4-ethoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.
- 49. (New) The method of claim 27 wherein said compound is 2-(4-methoxy-3-methylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.
- 50. (New) The method of claim 27 wherein said compound is 2-(3-fluoro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrple.
- 51. (New) The method of claim 27 wherein said compound is 2-(3,4-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.
- 52. (New) The method of claim 27 wherein said compound is 4-methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole.
- 53. (New) The method of claim 31 wherein said compound is 4-methyl-2-(4-methylphenyl)-1-(4-sulfamoylphenyl)pyrrole.

- 54. (New) The method of claim 31 wherein said compound is 2-(4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.
- 55. (New) The method of claim 31 wherein said compound is 2-(4-chlorophenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.
- 56. (New) The method of claim 31 wherein said compound is 4-methyl-2-(4-methylthiophenyl)-1-(4-sulfamoylphenyl)pyrrole.
- 57. (New) The method of claim 31 wherein said compound is 2-(4-ethoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.
- 58. (New) The method of claim 31 wherein said compound is 2-(4-methoxy-3-methylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.
- 59. (New) The method of claim 31 wherein said compound is 2-(3-fluoro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.
- 60. (New) The method of claim 31 wherein said compound is 2-(3,4-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.
- 61. (New) The method of claim 31 wherein said compound is 4-methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl) pyrrole.

- 62. (New) The method of claim 35 wherein said compound is 4-methyl-2-(4-methylphenyl)-1-(4-sulfamoylphenyl)pyrrole.
- 63. (New) The method of claim 35 wherein said compound is 2-(4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.
- 64. (New) The method of claim 35 wherein said compound is 2-(4-chlorophenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.
- 65. (New) The method of claim 35 wherein said compound is 4-methyl-2-(4-methylthiophenyl)-1-(4-sulfamoylphenyl) pyrrole.
- 66. (New) The method of claim 35 wherein said compound is 2-(4-ethoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.
- 67. (New) The method of claim 35 wherein said compound is 2-(4-methoxy-3-methylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.
- 68. (New) The method of claim 35 wherein said compound is 2-(3-fluoro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.
- 69. (New) The method of claim 35 wherein said compound is 2-(3,4-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

- 70. (New) The method of claim 35 wherein said compound is 4-methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl) pyrrole.
- 71. (New) The method of claim 39 wherein said compound is 4-methyl-2-(4-methylphenyl) + 1-(4-sulfamoylphenyl) pyrrole.
- 72. (New) The method of claim 39 wherein said compound is 2-(4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.
- 73. (New) The method of claim 39 wherein said compound is 2-(4-chlorophenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.
- 74. (New) The method of claim 39 wherein said compound is 4-methyl-2-(4-methyl hiophenyl)-1-(4-sulfamoylphenyl)pyrrole.
- 75. (New) The method of claim 39 wherein said compound is 2-(4-ethoxyphenyl) 4-methyl-1-(4-sulfamoylphenyl)pyrrole.
- 76. (New) The method of claim 39 wherein said compound is 2-(4-methoxy-3-methylphenyl)-4-methyl-1-(4-sulfamoylphenyl) pyrrole.
- 77. (New) The method of claim 39 wherein said compound is 2-(3-fluoro-4-methoxyphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

78. (New) The method of claim 39 wherein said compound is 2-(3,4-dimethylphenyl)-4-methyl-1-(4-sulfamoylphenyl)pyrrole.

and the

79. (New) The method of claim 39 wherein said compound is 4-methyl-1-(4-methylthiophenyl)-2-(4-sulfamoylphenyl)pyrrole.--.